There was no variation in the mortality figures returned under Anthrax and Blackquarter but 30,560 animals were protected against these diseases.

Cattle Mortality Returns.—It is reported that there is still slackness in the collection and submission of these returns and that no endeavour seems to have been made to collect even 50 per cent of the returns in the Bangalore, Arkalgud, Belur and Saklespur Taluks. This is very unsatisfactory and the Revenue Commissioner is requested to look into the matter personally during his tour in the Taluks and take necessary steps to improve the position.

N. RAMA RAO,
Secretary to Government,
Development Departments.

Per 39 of 29-30 Enc. 1, dated 26th May 1930, from Leslie C. Coleman, Esq., M.A., PH.D., Director of Agriculture in Mysore, Bangalore, to N. Rama Rao, Esq., B.A., B.L., Secretary to the Government of Mysore, Development Departments, Bangalore.

I have the honour to enclose herewith copy of letter No. 17625 of the 22nd May 1930, from the Superintendent, Civil Veterinary Department, forwarding Cattle Mortality Returns for the half-year ending December 31st 1929.

The Superintendent, in his letter, has noted a *decided reduction* in mortality dur[redacted] the half-year over that of the similar period in the previous year. This has b[redacted] cularly marked in the case of rinderpest—our most serious cattle disease. [redacted] tion in the case of rinderpest has no doubt been due in part to a periodic [redacted] the wave of infection, but the intensive campaign of inoculation must have [redacted] unimportant role. As the Superintendent has noted, the recently promu[redacted] governing the movement of cattle from infecting areas have played an impo[redacted] enabling the Veterinary Staff to prevent widespread outbreaks.

In connection with the mortality figures, it must be noted that they are de[redacted] low. The statements submitted by the Superintendent show that only about 75 per cent of the villages in the State are submitting returns while in some taluks the percentage falls below 50. We should therefore increase our total mortality figures by at least 30 per cent to obtain anything like an accurate idea of the cattle mortality in the State.

I wish to express my appreciation of the cordial co-operation furnished by Revenue Officials in our attempts to enforce the Rules as regards movement of cattle from infected areas. As pointed out by the Superintendent, the Deputy Commissioners of Kolar and Tumkur have been particularly helpful in this connection.

Letter No. 17625, dated 21st May 1930, from the Superintendent, Civil Veterinary Department, Bangalore, to the Director of Agriculture in Mysore, Bangalore.

In forwarding herewith the return of cattle motality in the State for the half-year ending 31st December 1929, together with the statement of percentage of C. M. returns received in the Taluk Offices from Patels for the same period, I have the honour to state:—

1. That the total mortality in the State during the half-year from all causes both contagious and non-contagious showed a decrease by 6,173 or 14 per cent over that of the same half-year in 1928-29.

2. That the total mortality under contagious diseases alone showed a decrease of 4,958 or 26 per cent less than that of the previous half-year.

3. Mortality under rinderpest still continues to be the highest and forty-two per cent of the total mortality was due to this disease. But compared to mortality for the same period during 1928-29, it shows a decrease of 48·5 per cent or nearly half of that of last year. This bears out our experience of Epizootic diseases which show a periodical rise and fall, the mortality during 1928-29 having reached the peak, and the severest experienced for some years.

4. In this connection, it may be important to note that the Regulation under contagious disease Act was passed by the Government and was used to the best advantage in Kolar and Tumkur Districts, thanks to the District Magistrates of Kolar and Tumkur, who prohibited the movement of cattle from infected villages, stopped the entry into the

State of cattle from infected villages in British India and cancelled two cattle fairs in the Kolar District. This to a large extent minimised the spread of disease and made adoption of preventive measures easier. In all the Districts the disease was kept well under control. Eighty-nine thousand, four hundred and seventy-eight S. S. inoculations were done during the half-year ending December 1929.

5. The mortality under Anthrax and Blackquarter have not shown any variation and this is due to some of the areas having become notoriously endemic, but with experiments now on hand, it is hoped that an effective method of control will be adopted. Thirty thousand five hundred and sixty animals have been protected against these diseases during the half-year ending December 1929.

In spite of the repeated reminders to the Deputy Commissioners and Amildars, there has always been an extraordinary delay in the submission of cattle mortality statements to this office, and consequently the consolidated statement could not be submitted to Government on the due date.

...ough the receipt of C. M. returns from Patels by the Taluk Offices has to a la... improved, it still remains unsatisfactory. Notwithstanding Government ... still slackness in collection and submission of this important return.

... cattle mortality returns received from the Patels of Bangalore, ...li, Magadi, Kolar, Bowringpet, Sidlaghatta, Mysore, Nanjangud, ... Mandya, Seringapatam, Hassan, Channarayapatna, Arsikere, ...Saklespur, Tumkur, Sira, Madhugiri, Hosdurga, Holalkere, Shimoga, ...ali still remain unsatisfactory.

The following table will show that there has been practically no change in the ...ese returns for the last five years:—

——	1925-26	1926-27	1927-28	1928-29	1929-30
	Per cent	Per cent	Per cent	Per cent	Per cent
..	46	41	50	41	40
..	58	61	49	65	63
Devanhalli ..	59	54	52	58	58
Magadi ..	58	53	52	63	61
Kolar ..	78	76	73	69	67
Bowringpet ..	54	61	60	56	61
Sidlaghatta ..	76	78	80	68	59
Mysore ..	62	53	44	61	53
Nanjangud ...	47	56	46	52	55
Heggaddevankote ..	54	51	65	65	66
Mandya ..	72	70	61	61	63
Seringapatam ..	50	46	61	62	64
Arkalgud ..	49	40	46	42	47
Belur ..	56	52	55	45	48
Saklespur ..	72	71	70	62	46
Tumkur ..	64	66	68	60	62
Madhugiri ..	71	74	64	69	66
Hosdurga ...	51	45	37	50	65
Shimoga ..	48	60	50	49	61
Sagar ..	69	63	60	52	59
Honnali ..	76	60	64	68	64

In Bangalore, Arkalgud, Belur, Saklespur, no endeavour seems to have been made to collect even 50 per cent of the returns from the Patels.

Return of Cattle Mortality in the Mysore State for the half-year ending 31st December 1929.

District	Description of animal	Contagious diseases										Non-contagious causes						Total				
		Rinderpest	Haemorrhagic Septicaemia	Anthrax	Blackquarter	Foot and mouth	Surra	Red water	Parasitic diarrhoea	Other contagious diseases	Total	Snake-bite	Wild animals	Criminal poisoning	Natural decay and accidents	Other causes	Total	Cattle	Buffaloes	Ponies	Sheep and goats	Asses
BANGALORE ... For the half-year ending 31st December 1928.	Cattle ...	582	37	416	625	26	...	1	91	156	1,934	29	242	7	1,499	473	2,250	4,184 *3,285*	...	...	...	...
	Buffaloes ...	178	3	81	32	4	...	...	34	32	314	1	18	2	146	75	244	...	558 *542*	...	...	...
	Ponies ...	...	...	...	...	...	2	...	...	...	2	...	2	...	3	3	8	...	...	10 *7*	...	...
	Sheep and goats	12	...	43	6	16	...	...	24	16	117	6	61	...	160	73	300	...	...	...	417 *641*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...	2 *5*
MYSORE ... For the half-year ending 31st December 1928.	Cattle ...	229	46	226	476	29	1	2	108	81	1,198	12	379	...	1,168	731	2,290	3,488 *6,033*	...	...	...	...
	Buffaloes ...	68	14	60	45	6	...	2	64	17	276	...	92	...	168	182	322	...	598 *1,192*	...	...	...
	Ponies ...	...	...	5	...	...	1	...	...	...	6	...	2	...	1	...	3	...	...	9 *17*	...	...
	Sheep and goats ...	19	...	2	...	...	...	...	46	9	76	...	47	5	77	150	279	...	...	...	855 *228*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	6	9	...	...	...	...	9 *18*
TUMKUR ... For the half-year ending 31st December 1928.	Cattle ...	1,078	12	158	320	4	...	...	24	52	1,648	6	109	...	1,697	297	2,109	3,752 *3,680*	...	...	...	...
	Buffaloes ...	268	2	25	10	2	...	...	3	0	311	2	15	1	264	74	356	...	667 *696*	...	...	...
	Ponie ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	2 *3*	...	...
	Sheep and goats ...	69	3	3	1	1	...	...	...	147	221	5	98	...	137	116	356	...	...	...	577 *810*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	...	2	3	3	8	...	...	...	...	8 *2*
KOLAR ... For the half-year ending 31st December 1928.	Cattle ...	386	33	292	237	16	...	...	80	130	1,124	12	61	...	706	488	1,267	2,391 *3,709*	...	...	...	...
	Buffaloes ...	189	14	39	24	6	...	...	11	46	331	...	10	...	269	206	486	...	817 *1,028*	...	...	...
	Ponies ...	...	...	...	...	...	1	...	...	...	1	...	...	...	6	5	11	...	...	12 *6*	...	...
	Sheep and goats ...	188	8	333	54	6	...	...	18	214	816	6	73	...	121	219	419	...	...	...	1,235 *667*	...
	Asses ...	...	...	...	...	...	...	...	...	1	1	3	4	...	16	4	27	...	...	...	...	29 *4*
SHIMOGA ... For the half-year ending 31st December 1928	Cattle ...	576	81	149	90	75	...	...	26	158	1,154	63	1,566	1	1,038	356	3,024	4,178 *4,526*	...	...	...	...
	Buffaloes ...	470	113	111	35	21	...	...	41	88	879	53	419	1	472	257	1,207	...	2,086 *2,095*	...	...	...
	Ponies ...	...	...	...	...	...	8	...	...	...	8	...	7	...	1	...	8	...	...	11 *2*	...	...
	Sheep and goats ...	...	...	...	...	4	...	...	1	3	8	...	25	...	8	6	39	...	...	...	47 *34*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1 *0*

Return of Cattle Mortality in the Mysore State for the half-year ending 31st December 1929—*concld.*

District	Description of animal	Contagious diseases: Rinderpest	Haemorrhagic Septicaemia	Anthrax	Blackquarter	Foot and mouth	Surra	Red water	Parasitic diarrhoea	Other contagious diseases	Total	Non-contagious causes: Snake-bite	Wild animals	Criminal poisoning	Natural decay and accidents	Other causes	Total	Total: Cattle	Buffaloes	Ponies	Sheep and goats	Asses
KADUR ... For the half-year ending 31st December 1928.	Cattle ...	518	98	18	18	115	...	2	19	35	823	22	783	16	1,006	136	1,963	2,786 *2,380*	...	...	...	...
	Buffaloes ...	112	62	4	3	17	...	2	34	12	246	7	87	10	252	66	422	...	663 *1,305*	...	...	...
	Ponies ...	...	...	...	...	...	1	...	...	...	1	...	6	...	5	...	11	...	...	12 0	...	...
	Sheep and goats...	10	...	...	...	1	...	...	2	2	15	1	22	1	1	1	26	...	...	...	46 *87*	...
	Asses ...	...	...	1	...	...	...	...	...	1	2	3	4	4	3	2	16	...	...	...	...	18 *0*
HASSAN ... For the half-year ending 31st December 1928.	Cattle ...	563	90	32	214	42	...	...	79	35	1,055	7	304	...	991	151	1,453	2,508 *2,692*	...	...	...	...
	Buffaloes ...	192	45	2	12	9	...	...	38	14	312	2	28	...	186	34	250	...	562 *736*	...	...	...
	Ponies ...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	4	...	...	1 *6*	...	...
	Sheep and goats...	19	1	...	2	...	...	...	...	3	25	...	20	...	8	...	28	...	...	...	53 *77*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1 *0*
CHITALDRUG ... For the half-year ending 31st December 1928.	Cattle ...	91	79	128	90	...	...	1	9	103	496	15	147	1	1,667	425	2,255	2,751 *2,517*	...	...	...	...
	Buffaloes ...	128	251	64	17	8	...	...	8	91	567	16	30	2	673	254	975	...	1,532 *1,451*	...	...	...
	Ponies ...	...	...	...	...	...	1	...	...	...	1	...	7	...	9	5	21	...	...	22 *6*	...	...
	Sheep and goats...	6	...	66	...	45	...	...	5	81	202	1	43	...	116	975	1,135	...	...	...	1,337 *1,287*	...
	Asses ...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	4	...	...	...	...	4 *15*
Total for the State.	Cattle ...	4,018	470	1,414	2,070	307	1	6	386	750	9,427	136	8,591	25	9,772	8,087	16,611	26,038 *21,019*	...	...	...	...
	Buffaloes ...	1,600	509	326	178	73	...	4	283	903	3,226	86	629	16	2,431	1,100	4,262	...	76,48 *8,975*	...	...	...
	Ponies ...	...	...	5	...	...	9	...	...	...	14	...	27	...	26	15	68	...	...	82 *42*	...	...
	Sheep and goats...	818	9	446	63	73	...	...	96	475	1,480	19	389	6	823	1,540	2,682	...	...	...	40,62 *3,831*	...
	Asses ...	...	...	1	...	...	...	...	...	2	3	8	12	7	25	16	68	...	...	...	...	71 *42*
Total for the half-year ending 31st December 1929.	.....	5,936	994	2,192	2,311	453	10	10	714	1,530	14,150	299	4,648	54	12,882	5,706	23,591	...	...	...	...	...
Total for the half-year ending 31st December 1928.	.....	11,581	811	2,129	2,481	535	7	22	631	1,161	19,108	270	4,448	33	13,209	6,946	24,806	...	...	...	...	...

Statement showing the percentage of Cattle Mortality returns received in the Mysore State for the half-year ending with 31st December 1929:—

District	Taluk	Total No. of charak villages	Percentage of receipt of returns						Average percentage for the current half-year	Average percentage for the previous half-year
			July	Aug.	Sept.	Oct.	Nov.	Dec.		
Bangalore ...	Bangalore	881	18	46	27	46	52	53	40	39
	Anekal	181	86	93	82	82	88	87	86	91
	Hoskote	816	61	64	63	66	66	59	63	61
	Nelamangala	286	75	73	72	78	74	78	75	74
	Dodballapur	277	75	70	72	70	73	71	72	73
	Devanhalli	242	62	59	55	58	58	55	58	58
	Kankanhalli	231	93	93	91	93	91	90	92	74
	Magadi	503	60	65	63	60	58	60	61	60
	Channapatna	142	85	81	81	85	86	83	93	93
	Closepet	130	75	74	69	71	71	67	71	76
Kolar ...	Kolar	295	70	66	62	63	78	69	67	68
	Malur	216	74	76	75	76	73	74	75	75
	Mulbagal	308	72	80	75	79	87	85	80	78
	Bowringpet	359	58	58	62	65	68	67	61	59
	Chikballapur	216	75	72	67	72	70	71	71	65
	Bagepalli	203	78	78	76	75	82	78	78	83
	Gudibanda	99	98	92	89	94	96	99	95	95
	Chintamani	325	91	93	68	70	85	60	81	86
	Srinivaspur	291	91	89	89	89	91	92	90	89
	Sidlaghatta	247	60	64	52	58	61	59	59	58
	Goribidnur	210	88	95	95	94	91	91	92	94
Mysore ...	Mysore	131	51	49	44	68	57	54	53	55
	Nanjangud	170	58	50	51	54	57	60	55	57
	Hunsur	170	72	75	76	75	71	78	74	73
	Heggaddevankote ...	167	71	68	65	62	63	65	66	60
	Nagamangala	340	78	78	76	80	79	79	77	73
	Mandya	284	57	63	52	71	73	62	68	64
	Gundlupet	126	70	79	71	67	85	81	75	81
	Yedatore	150	66	70	65	73	73	52	66	74
	Chamarajnagar ...	148	86	84	85	86	84	87	85	84
	Yelandur	33	96	100	100	97	97	100	98	99
	Malvalli	216	70	77	79	77	71	75	75	73
	Krishnarajpete	335	76	73	73	84	80	82	78	78
	Seringapatam	180	57	51	80	67	72	62	64	68
	Periapatna	151	52	57	54	55	53	60	55	46
	T.-Narsipur	126	77	85	65	70	62	60	70	76
Hassan ...	Hassan	357	60	56	59	63	67	55	60	67
	Alur Sub-Taluk ...	165	82	76	75	82	77	76	78	78
	Channarayapatna ...	368	69	69	57	69	63	58	64	66
	Hole-Narsipur	200	82	84	71	79	71	71	76	65
	Arsikere	325	66	65	65	69	69	64	66	71
	Arkalgud	256	46	55	68	45	27	43	47	39
	Belur	355	50	47	52	49	45	46	48	43
	Saklespur	270	50	48	44	31	57	46	46	47
Shimoga ...	Shimoga	228	63	65	66	57	62	54	61	57
	Kumsi	67	93	86	91	90	90	100	91	97
	Honnali	168	46	72	66	66	63	70	64	67
	Channagiri	192	87	80	88	83	77	80	82	74
	Sorab	264	87	84	85	84	85	82	84	81
	Sagar	261	74	62	60	54	55	46	59	59
	Nagar	202	67	91	91	87	66	86	81	86
	Shikarpur	140	86	87	82	84	96	80	84	81
	Tirthahalli	246	87	89	86	69	84	85	86	86
Kadur ...	Chikmagalur	219	79	76	77	78	79	66	74	73
	Kadur	309	55	56	58	54	56	59	56	70
	Tarikere	189	79	88	77	99	85	85	75	80
	Mudgere	198	90	88	92	65	90	85	85	77
	Koppa	101	85	89	94	98	94	96	93	75
	Narasimharajapura ...	64	89	90	98	97	95	95	93	92
	Sringeri	25	100	96	100	100	100	100	99	100
Tumkur ...	Tumkur	356	58	69	65	63	63	61	62	56
	Madhugiri	271	65	70	59	71	66	62	66	63
	Sira	220	73	70	63	67	66	69	68	68
	Gubbi	361	64	74	77	74	71	64	71	78
	Kunigal	288	71	74	77	76	76	75	75	68
	Pavagada	135	82	89	89	91	85	85	87	83
	Tiptur	227	86	86	84	84	87	80	84	81
	Chiknayakanhalli ...	202	86	83	71	84	84	88	82	84
	Turuvekere	142	75	84	80	81	80	77	79	75
	Kortagere	195	83	76	79	85	79	80	80	78
Chitaldrug ...	Chitaldrug	165	72	70	64	64	68	60	66	68
	Jagalur	134	66	70	79	49	75	80	73	77
	Hiriyur	192	81	75	66	77	66	66	72	70
	Davangere	176	85	70	85	76	72	69	76	79
	Haribar	76	81	90	86	88	92	92	88	88
	Hosdurga	167	55	59	65	73	74	66	65	47
	Holalkere	153	58	60	70	78	77	79	70	58
	Challakere	151	60	85	79	81	70	93	76	79
	Molakalmuru	81	81	70	85	85	77	75	79	80